

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032486.D
 Acq On : 18 Nov 2025 16:58
 Operator : SY/MD
 Sample : Q3662-03
 Misc : 6.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B1-0.5-1.0-20251117

Quant Time: Nov 19 00:30:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

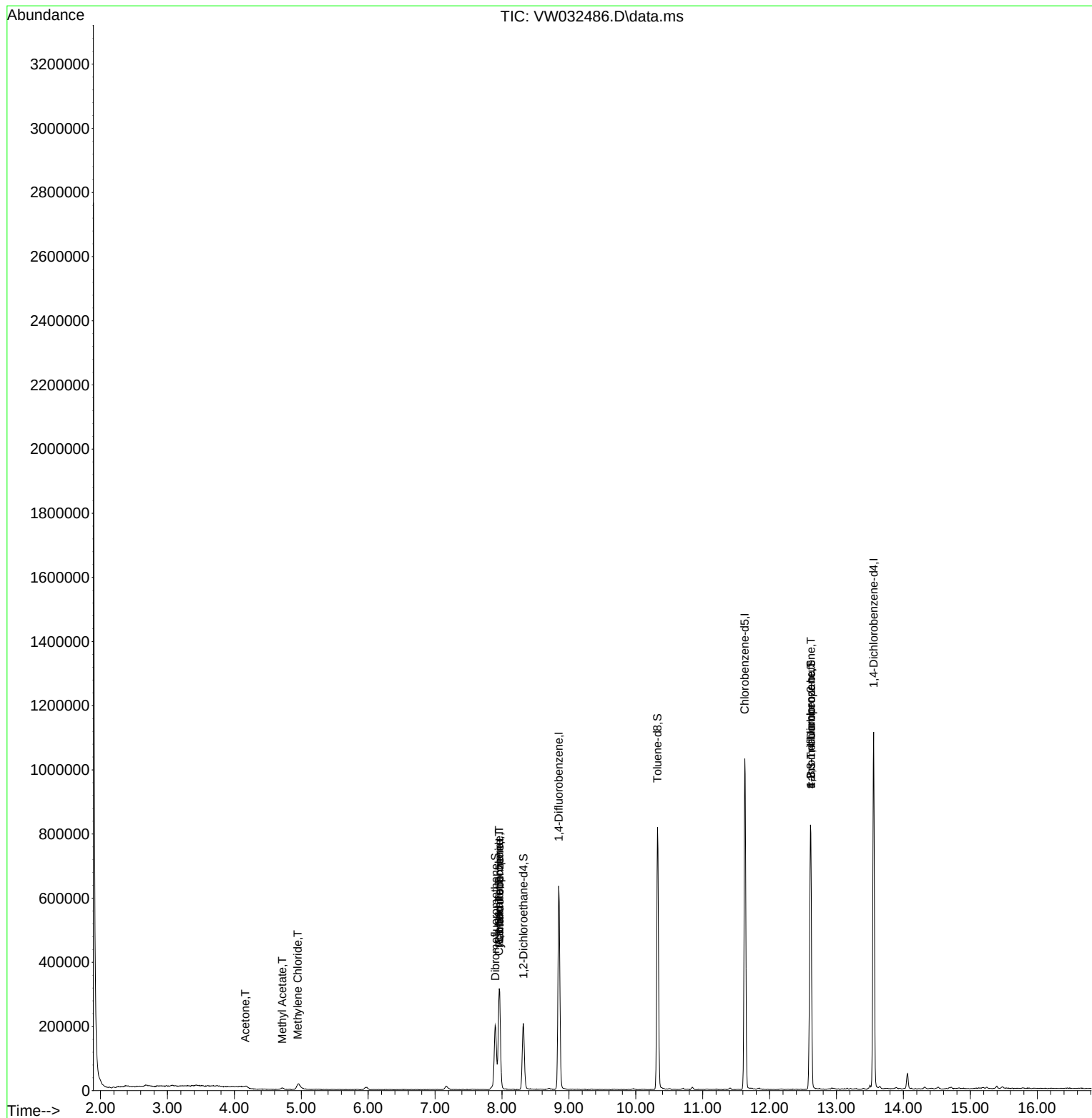
Internal Standards						
1) Pentafluorobenzene	7.965	168	221426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	523942	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	582743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	283484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163693	57.341	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 114.680%		
35) Dibromofluoromethane	7.898	113	149778	47.746	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 95.500%		
50) Toluene-d8	10.325	98	534007	44.373	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 88.740%		
62) 4-Bromofluorobenzene	12.617	95	255198	56.135	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 112.280%		
Target Compounds						
					Qvalue	
16) Acetone	4.161	43	1970	2.307	ug/l #	63
18) Methyl Acetate	4.716	43	9442	4.464	ug/l	94
20) Methylene Chloride	4.948	84	15522	5.082	ug/l	86
31) Cyclohexane	7.953	56	5942	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20802	4.501	ug/l #	50
38) Carbon Tetrachloride	7.959	117	25194	6.135	ug/l #	15
76) 1,2,3-Trichloropropane	12.617	75	129088	33.210	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	129088	76.065	ug/l #	11

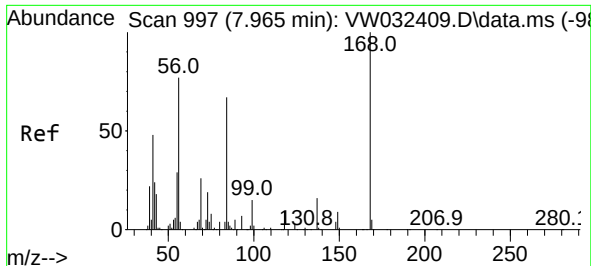
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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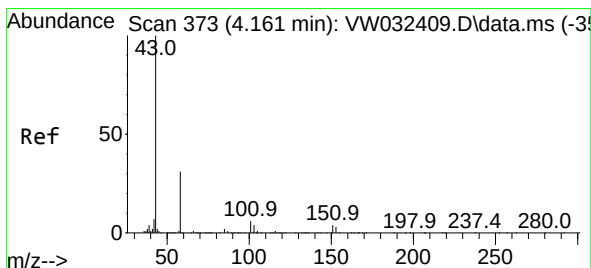
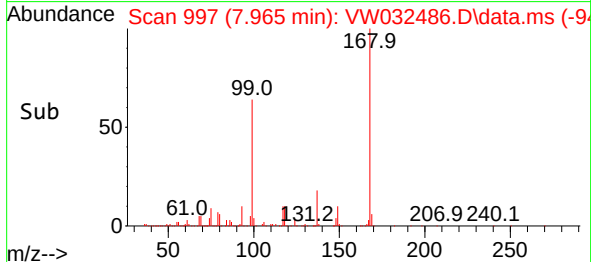
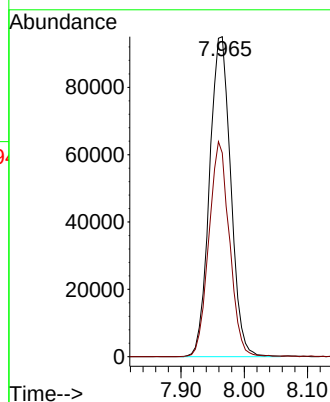
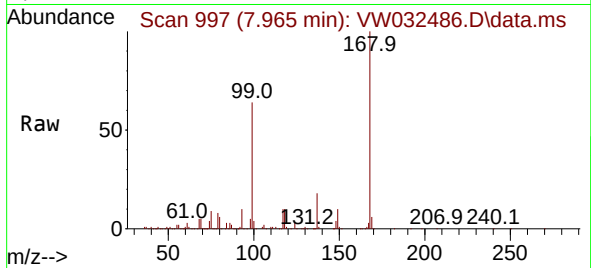




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

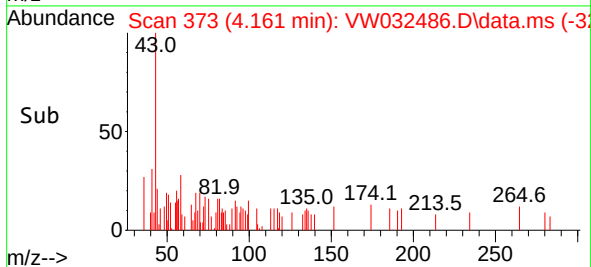
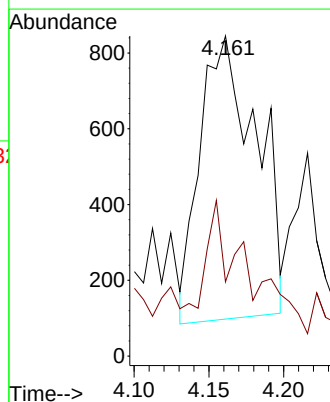
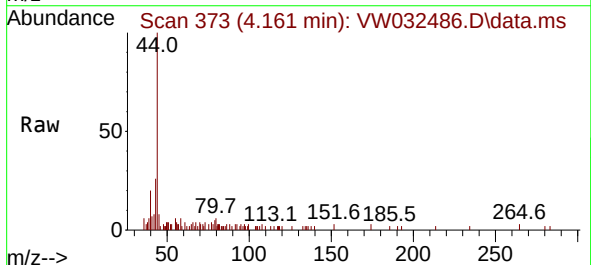
Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

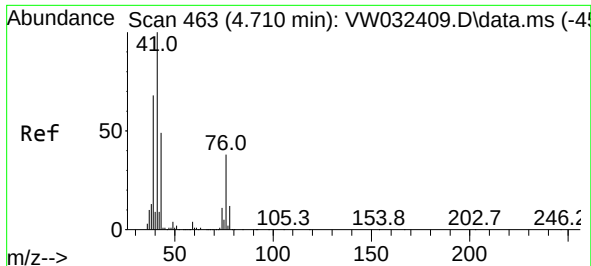
Tgt Ion:168 Resp: 221426
Ion Ratio Lower Upper
168 100
99 63.6 45.4 68.2



#16
Acetone
Concen: 2.307 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 43 Resp: 1970
Ion Ratio Lower Upper
43 100
58 10.5 24.8 37.2#

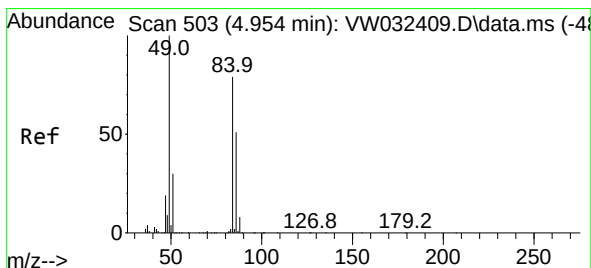
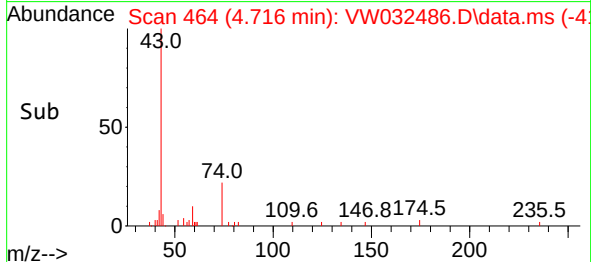
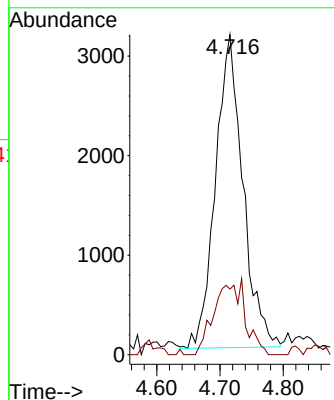
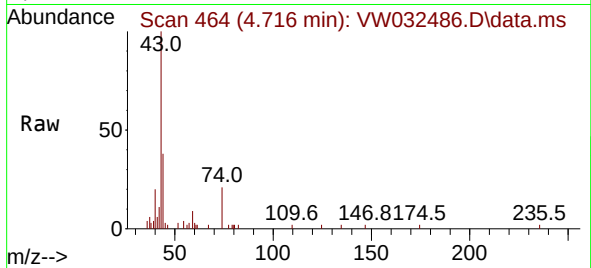




#18
Methyl Acetate
Concen: 4.464 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

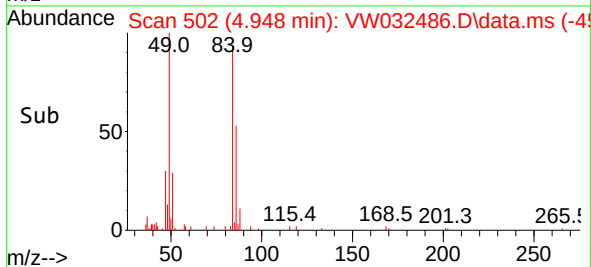
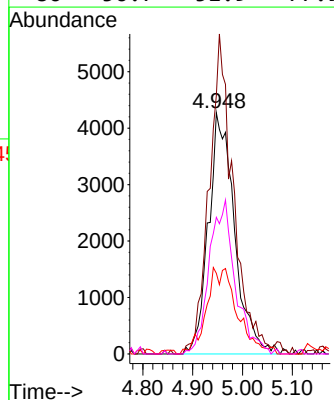
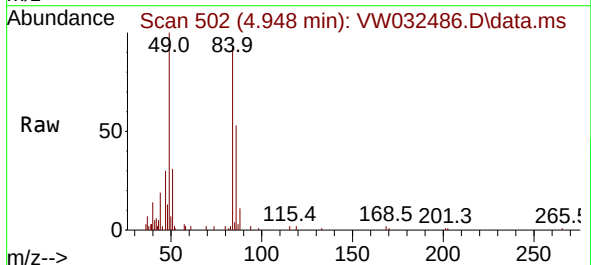
Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

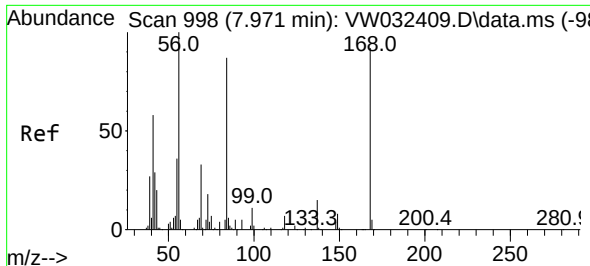
Tgt Ion: 43 Resp: 9442
Ion Ratio Lower Upper
43 100
74 26.7 18.9 28.3



#20
Methylene Chloride
Concen: 5.082 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 84 Resp: 15522
Ion Ratio Lower Upper
84 100
49 107.3 101.5 152.3
51 33.5 30.6 46.0
86 56.7 51.9 77.9

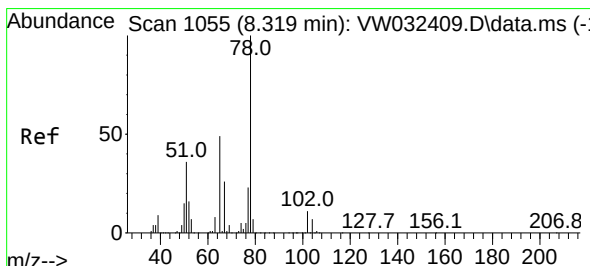
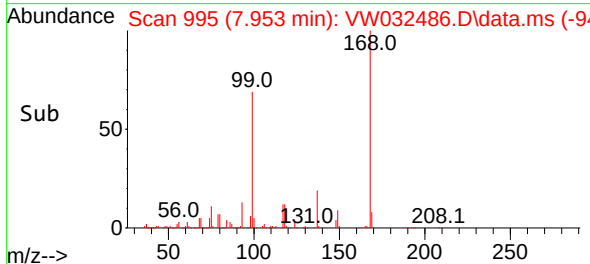
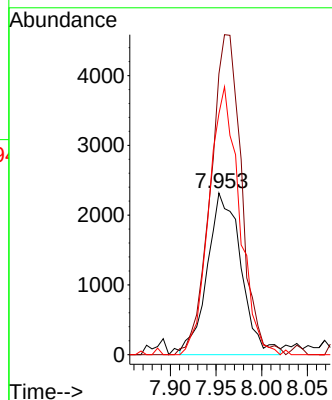
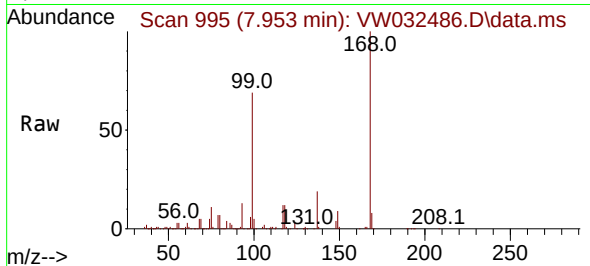




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.953 min Scan# 991
Delta R.T. -0.018 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

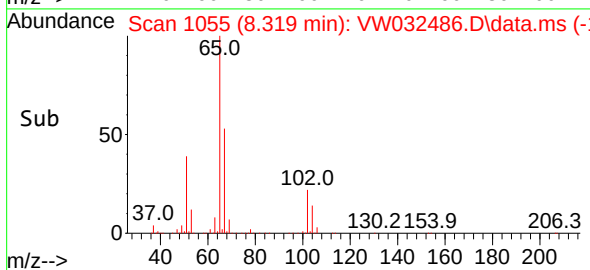
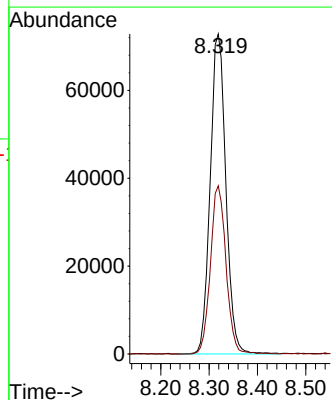
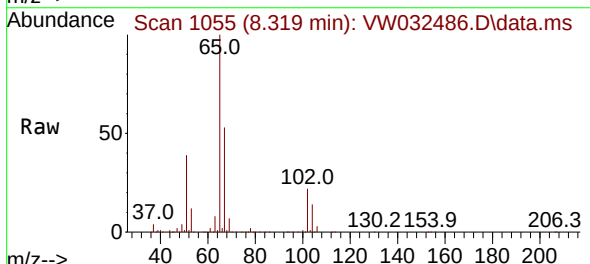
Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

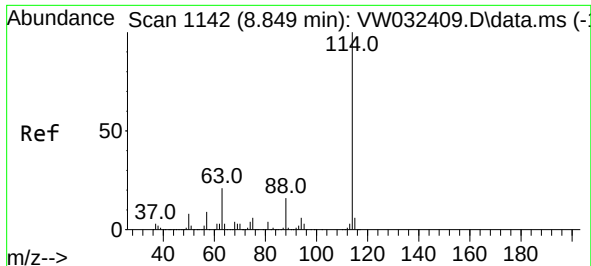
Tgt Ion: 56 Resp: 5942
Ion Ratio Lower Upper
56 100
69 176.3 26.5 39.7#
84 154.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 57.341 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 65 Resp: 163693
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.8

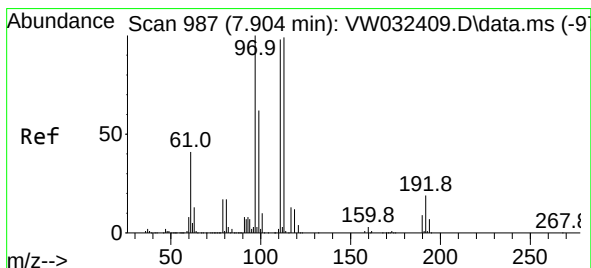
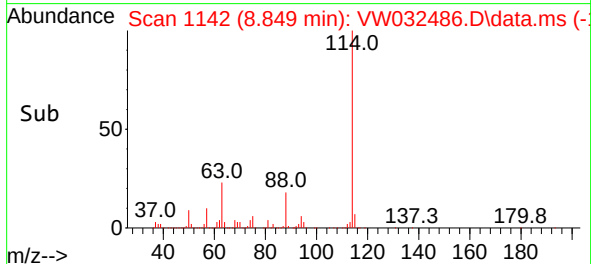
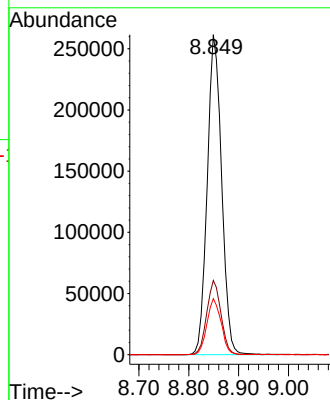
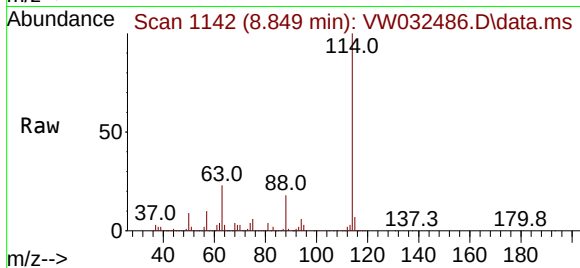




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032486.D
 Acq: 18 Nov 2025 16:58

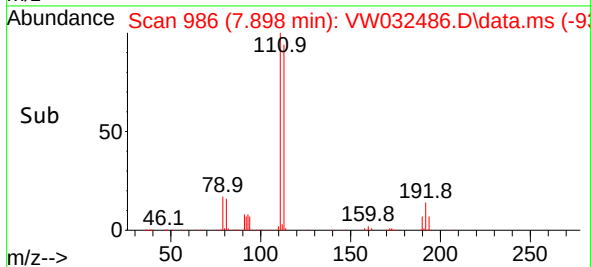
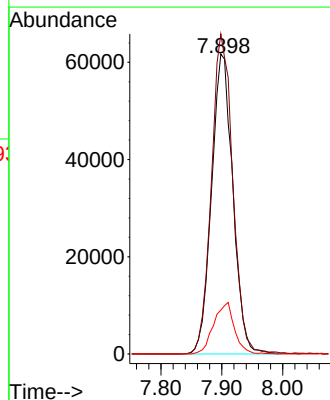
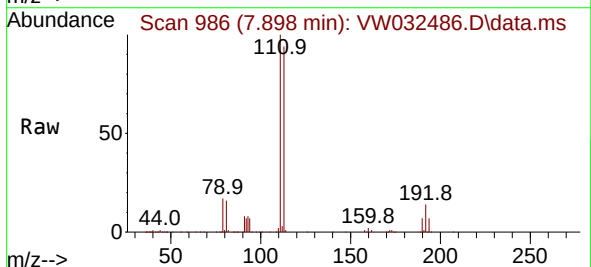
Instrument :
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 ClientSampleId :
 B1-0.5-1.0-20251117

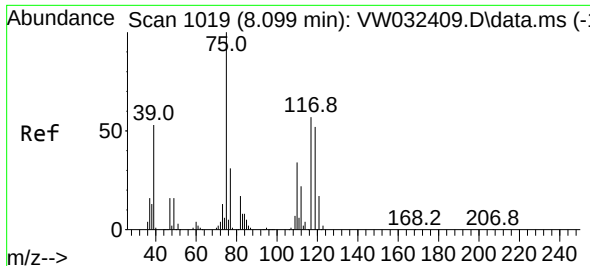
Tgt Ion:	114	Resp:	523942
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	41.8
88	17.5	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 47.746 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032486.D
 Acq: 18 Nov 2025 16:58

Tgt Ion:	113	Resp:	149778
Ion	Ratio	Lower	Upper
113	100		
111	107.1	83.1	124.7
192	16.6	13.4	20.2

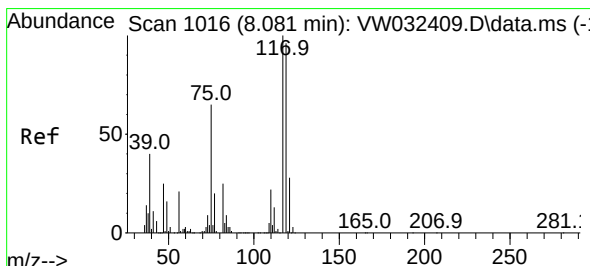
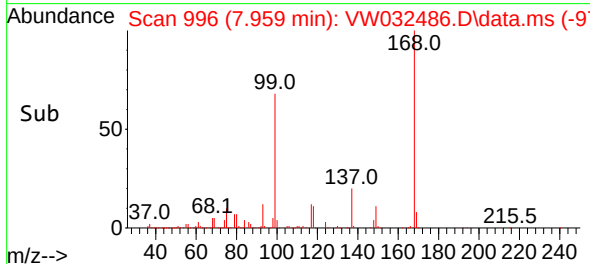
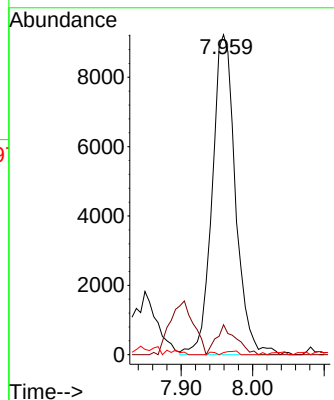
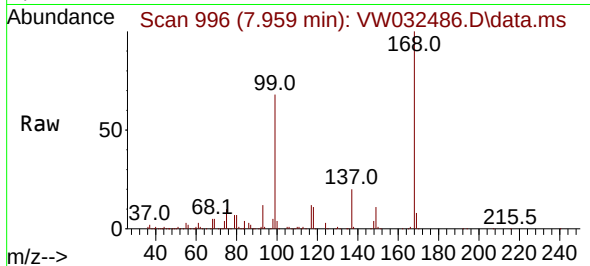




#36
1,1-Dichloropropene
Concen: 4.501 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

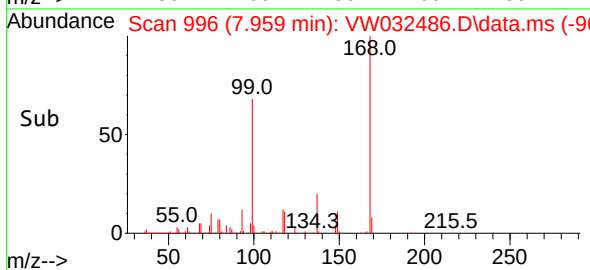
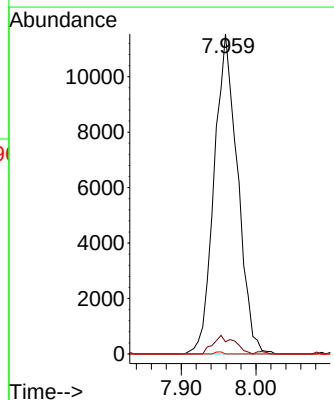
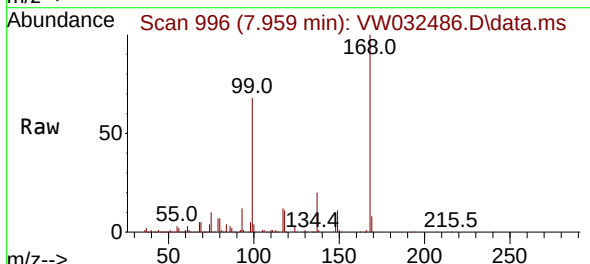
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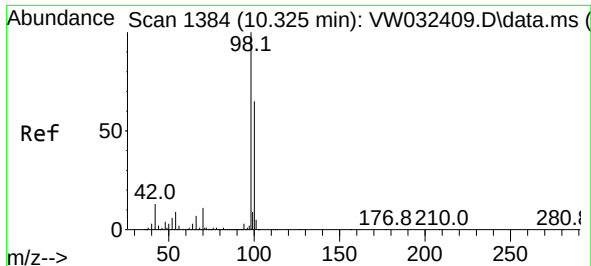
Tgt Ion: 75 Resp: 20802
Ion Ratio Lower Upper
75 100
110 7.9 17.2 51.5#
77 0.6 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.135 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 117 Resp: 25194
Ion Ratio Lower Upper
117 100
119 3.8 77.0 115.4#
121 0.0 22.0 33.0#

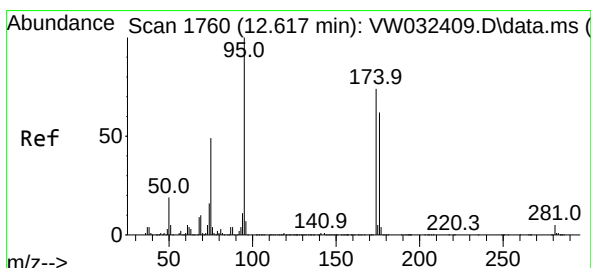
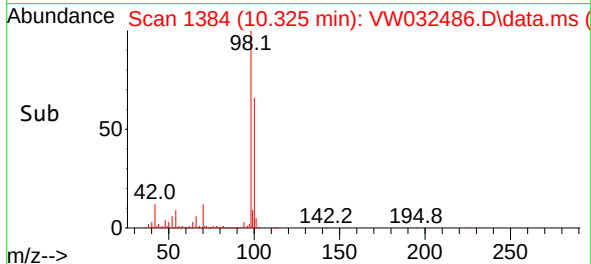
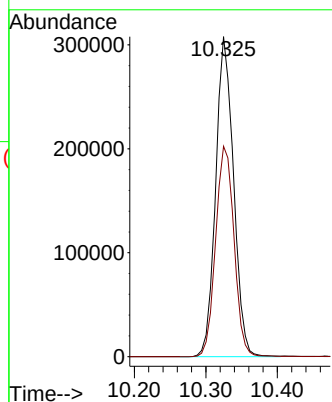
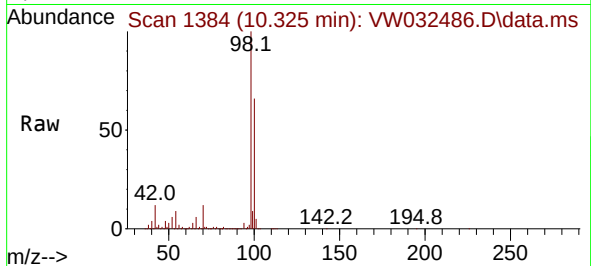




#50
Toluene-d8
Concen: 44.373 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

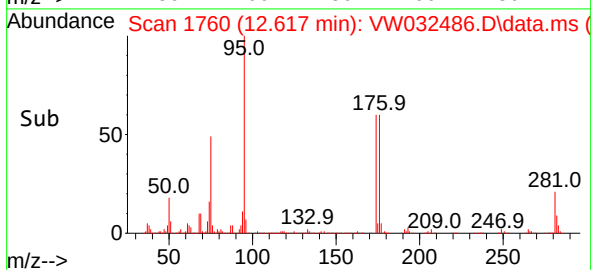
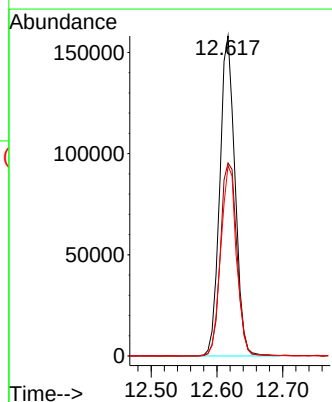
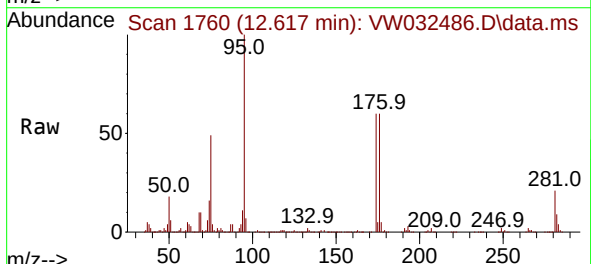
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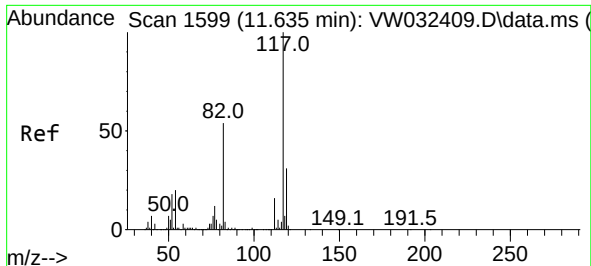
Tgt Ion: 98 Resp: 534007
Ion Ratio Lower Upper
98 100
100 67.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.135 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 95 Resp: 255198
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.4
176 61.6 0.0 131.8

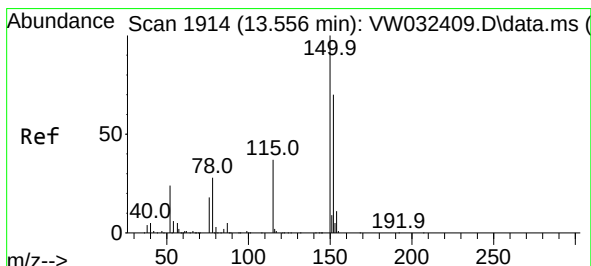
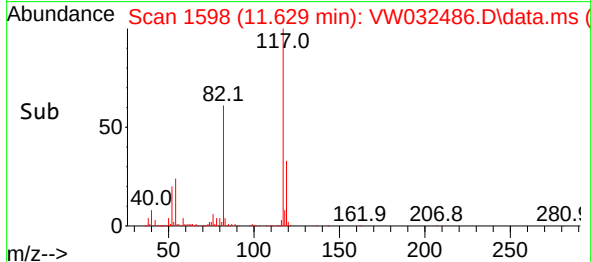
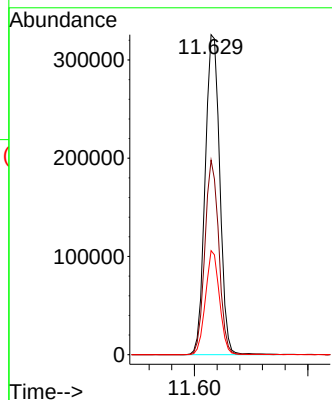
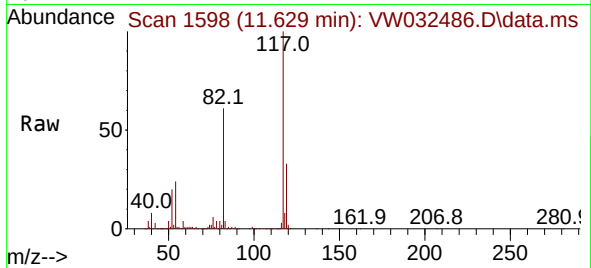




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

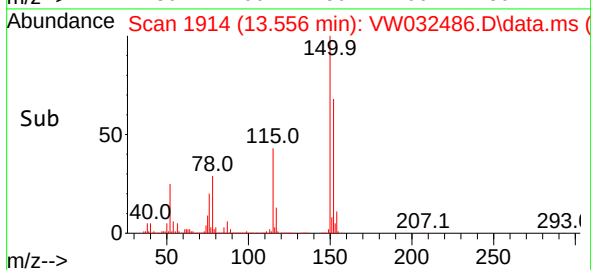
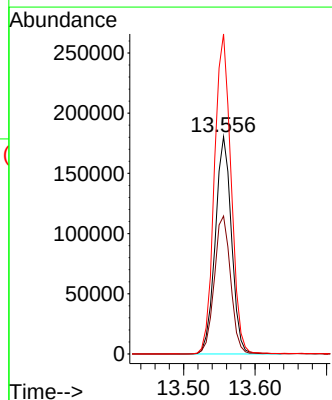
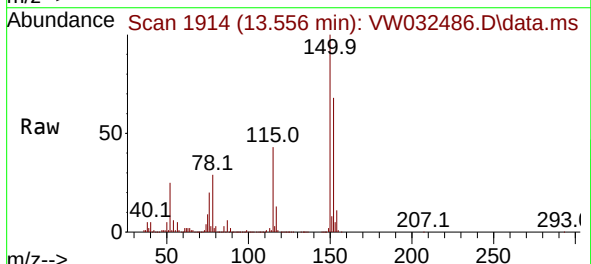
Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

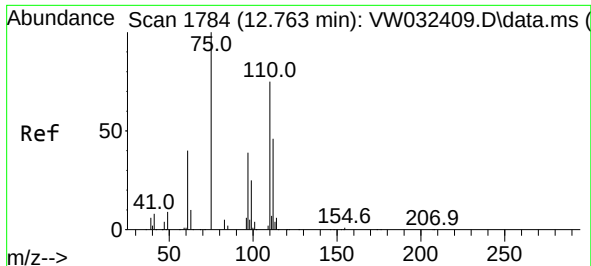
Tgt Ion:117 Resp: 582743
Ion Ratio Lower Upper
117 100
82 60.8 43.0 64.4
119 32.5 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion:152 Resp: 283484
Ion Ratio Lower Upper
152 100
115 64.1 32.8 98.3
150 151.4 0.0 356.6

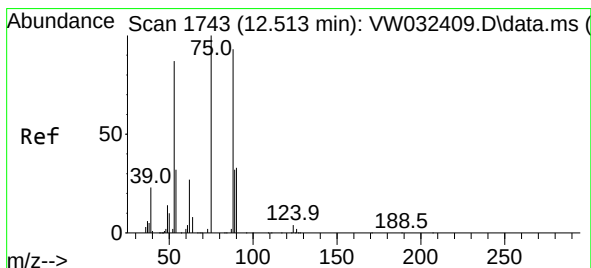
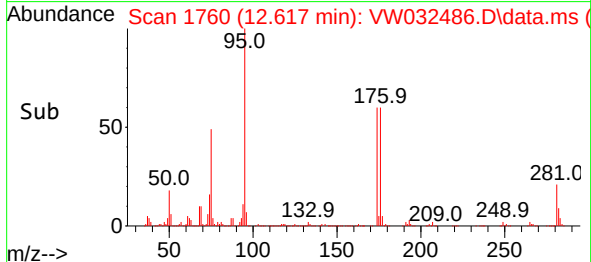
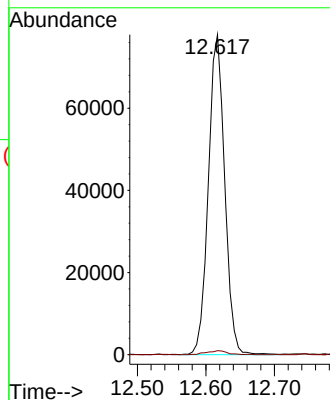
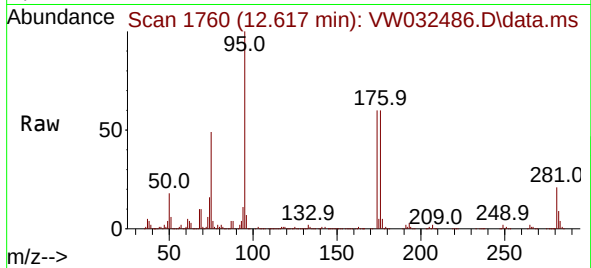




#76
1,2,3-Trichloropropane
Concen: 33.210 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Instrument :
MSVOA_W
ClientSampleId :
B1-0.5-1.0-20251117

Tgt Ion: 75 Resp: 129088
Ion Ratio Lower Upper
75 100
77 1.6 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.065 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032486.D
Acq: 18 Nov 2025 16:58

Tgt Ion: 75 Resp: 129088
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 35.6 53.4#

